

Fig. 1

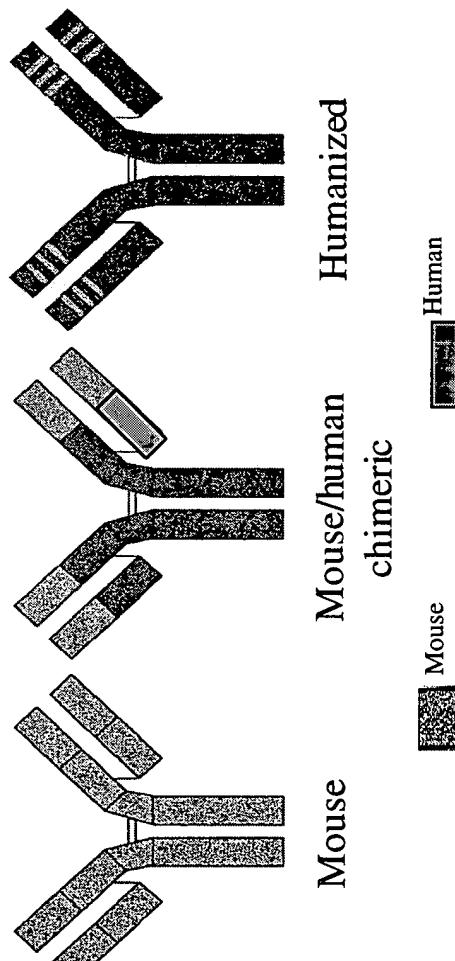


Fig. 2

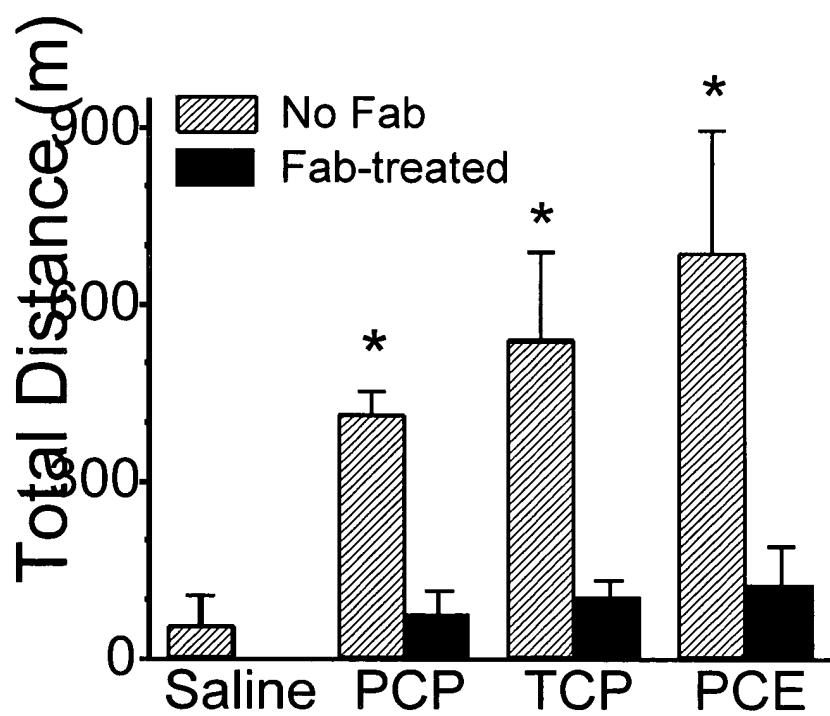
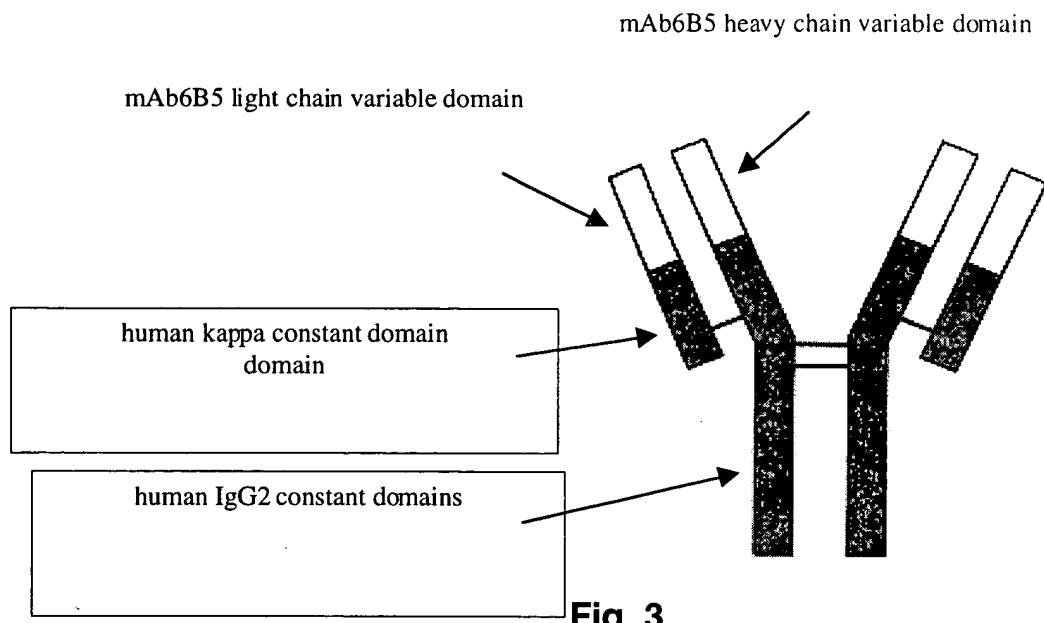


Fig. 4

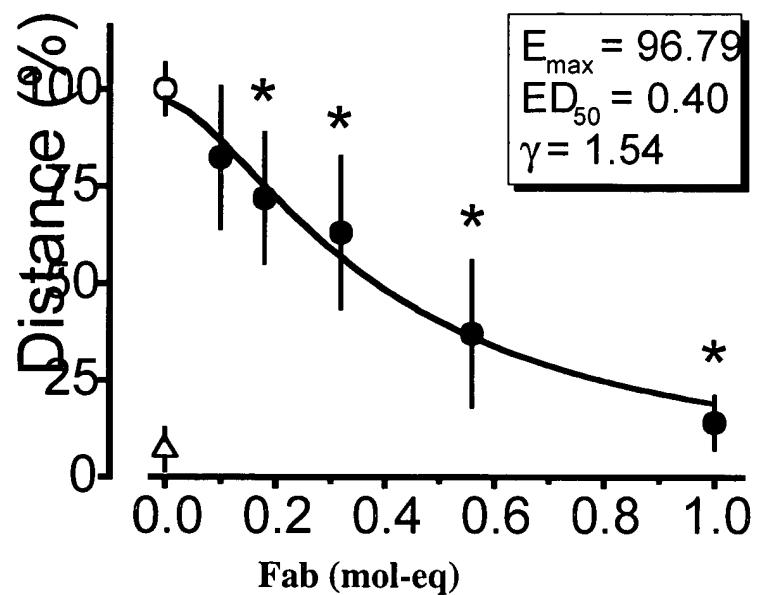


Fig. 5

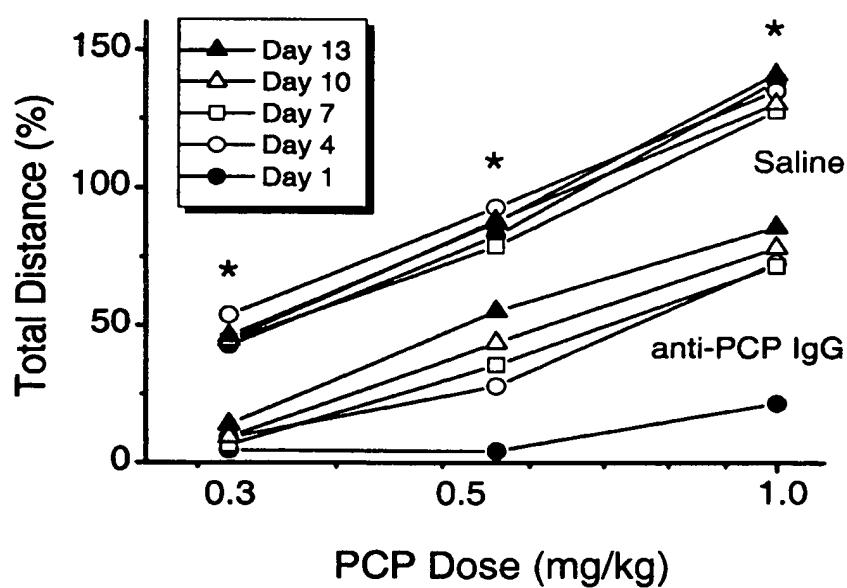


Fig. 6

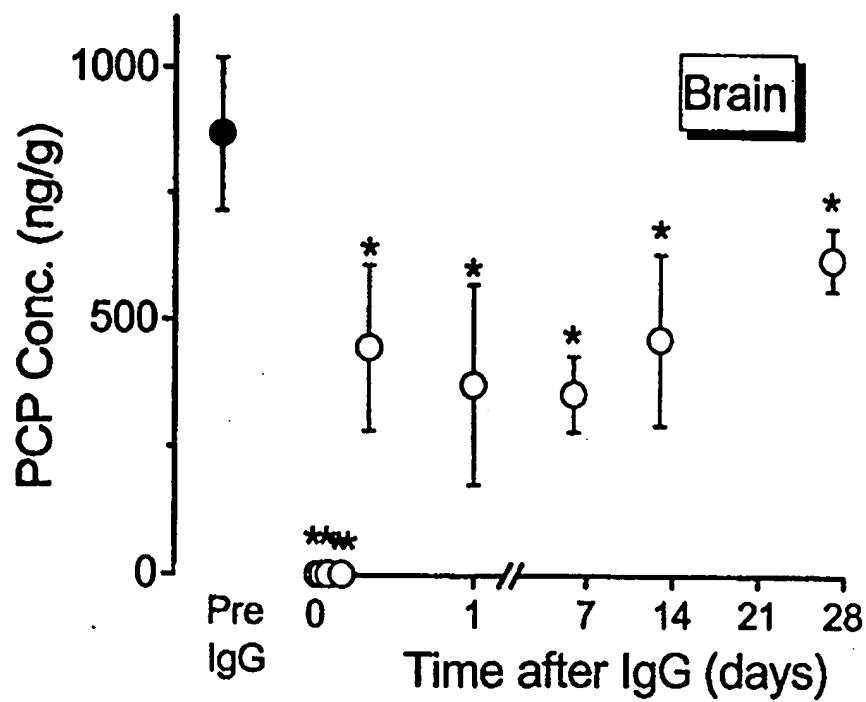


Fig. 7

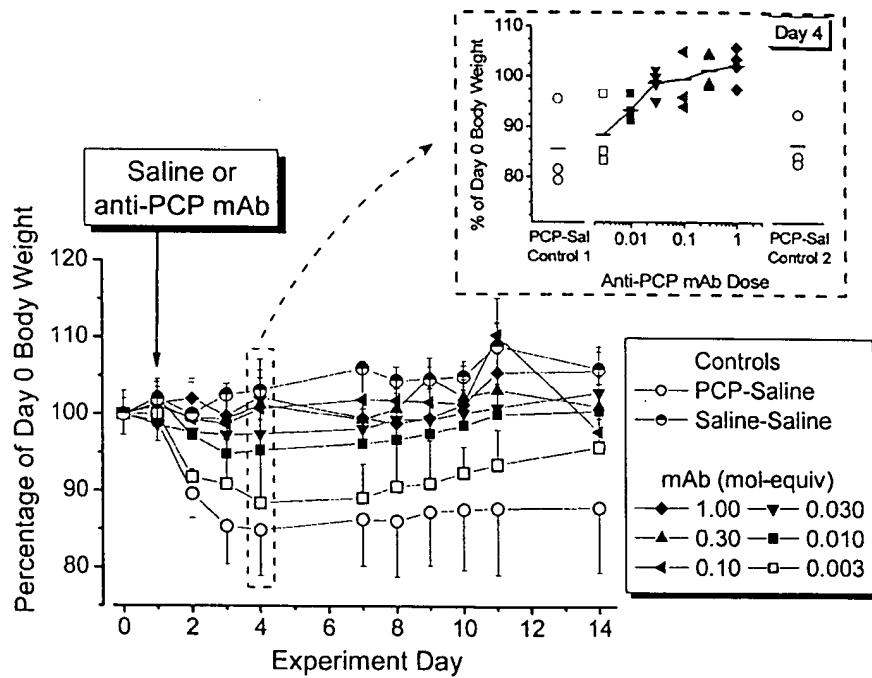


Fig. 8

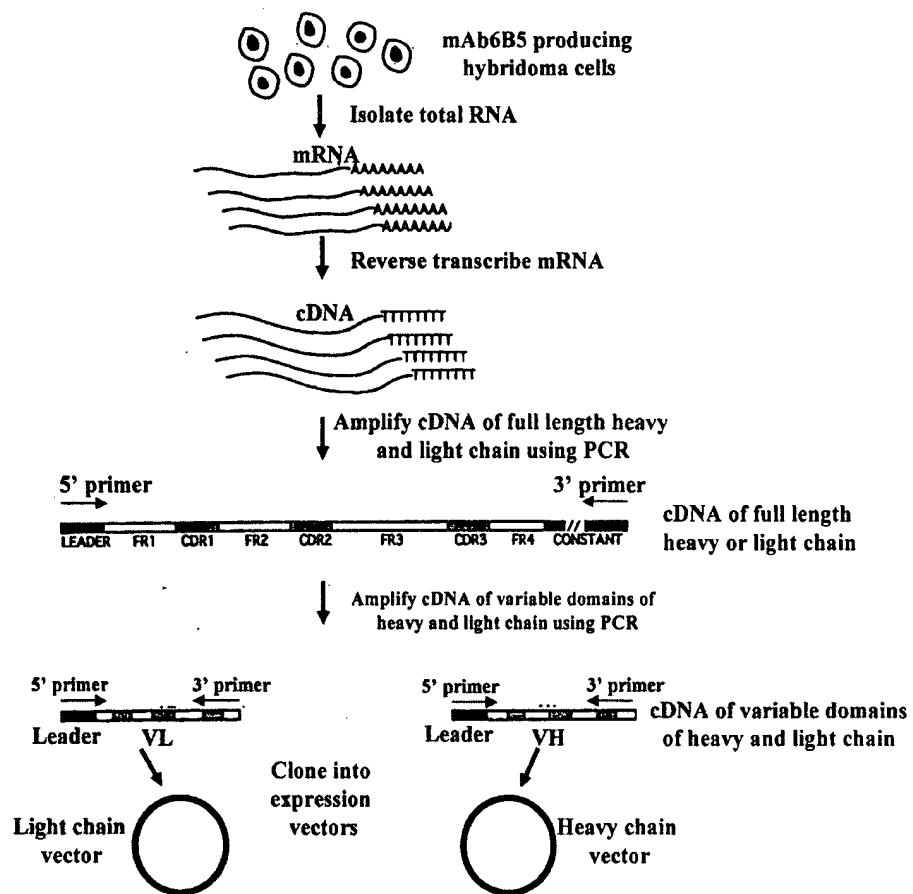


Fig. 9

1 - ATGAAAGTGGCTGGTTAGGCCAGTGTGATGTTCTGGATTCCAGCAGTGAT - 60
 - M K L P V R L L V L M F W I P A S S S D
 61 - GTTTGATGACCCAAACTCCACTCTCCCTGCTGTCAGTCTGGAGATCAAGCCCATC - 120
 - V L M T Q T P L S L P V S L G D Q A S I
 121 - TCTTGCAGATCTAGTCAGACCATTGACATAGTAATGGAAACACCTATTAGAATGGTAC - 180
 - S C R S S Q T I V H S N G N T Y L E W Y
 181 - CTGCAGAAACCAGGCCAGTCTCCAAAGCTCCTGATCTACAAAGTTCACCAACCGATTTCCT - 240
 - L Q K P G Q S P K L L I Y K V S N R F S
 241 - GGGTCCCAGACAGGTTCAAGTGGCAAGTGGATCAGGGACAGATTCACACTCAAGATCAGC - 300
 - G V P D R F S G S G S G T D F T L K I S
 301 - AGAGTGGAGGCTGAGGATCTGGAGTTATTACTGCTTTCAAGGCACACATGCTCCGTAC - 360
 - R V E A E D L G V Y Y C F Q G T H A P Y
 361 - ACGTTGGAGGGGACCAAGCTGGAAATAAAAACTGGCCGCACCATCTGTCTTCATC - 420
 - T F G G G T K L E I K T A A P S V F I
 421 - TTCCCGCATCTGATGAGGAGCTGAAATCTGGAACTCTGGCTCTGTGCTGCTGAAT - 480
 - F P P S D E Q L K S G T A S V V C L L N
 481 - AACTCTATCCCAGAGGCCAAAGTACAGTGGAAAGGTGGATAAACGCCCTCCAATCGGGT - 540
 - N F Y P R E A K V Q W K V D N A L Q S G
 541 - AACTCCCAGGAGAGTGTCAACAGGCCAGCACAGCAAGGACACGCCACCTACAGCCTCAGCAGC - 600
 - N S Q E S V T E Q D S K D S T Y S L S S
 601 - ACCCTGACGCTGAGCAAAGCAGACTACAGGAGAAACACAAGTCTACGCCCTGCGAAGTCACC - 660
 - T L T L S K A D Y E K H K V Y A C E V T
 661 - CATCAGGGCCTGAGCTCGCCCCGTACAACAGGAGCTCAACAGGGAGAGTGTTGA (SEQ ID NO: 15)
 - H Q G L S S P V T K S F N R G E C * (SEQ ID NO: 16)

Murine 6B5 variable region leader sequence
Human kappa constant region NotI restriction site

TGA stop codon

Fig. 10

1-ATGGAAATGCAGCTGTTAATGCTCTCCCTGTCAGGAACTGCAGGTGTCCTCTGAG-60
 -M E C S C V M L F L L S G T A G V L S E
 61-GTCCAGCTGCAACAGCTGGACCTGTGAGTTGGTGAAGGCTGGGCTTCAGTGAAAGATGTGCC-120
 -V Q L Q Q S G P E L V K P G A S V K M S
 121-TGCAAGGCTTCTGGCTACACTTTCACTGACTACTACATAACTGGATGAAGCAGGCCAT-180
 -C K A S G Y T G T D Y Y I H W M K Q S H
 181-GGAAAGAGGCCTTGAGTGGATGGATATTATCCTAACAACGGTGGTATGGCTACAAC-240
 -G K S L E W I G Y I Y P N N G G N G Y N
 241-CAGAAGGTCAAGGGCAAGGCCACATGTGACTGAGACAAGTCCTCCAGCACAGCCTACATG-300
 -Q K F K G K A T L T V D K S S T A Y M
 301-GAGCTCCGCACCCCTGACATCTGAGGACTCTGCAGTCTATTACTGTGGAAAGATCTACCTGG-360
 -E L R T L T S E D S A V Y Y C G R S T W
 361-GACGACTTTGACTACTGGGCCAAGGCACCACTCTCACAGTCTCAGCTAGCACCAG-420
 -D D F D Y W G Q G T T L T V S S A S T K
 421-GGCCCATCGGTCTTCCCCCTGGGCCCTGCTCCAGGAGCACCTCCGAGAGCACAGGGCC-480
 -G P S V F P L A P C S R S T S E S T A A
 481-CTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCCGGTGACGGTGTGGAAACTCAGGGC-540
 -L G C L V K D Y F P E P V T V S W N S G
 541-GCTCTGACCAGCGGGGTGCAACACCTCCAGCTGTCCCTACAGTCTCAGGACTCTACTCC-600
 -A L T S G V H T F P A V L Q S S G L Y S
 601-CTCAGCAGGGCGTGGTGACCGGTCCAGCAACTTCGGCACCCAGACCTACACCTGCAAC-660
 -L S S V V T V P S S N F G T Q T Y T C N
 661-GTAGATCACAAAGCCAGCAACACCAAAGGTGGACAAGACAGTGTGGCAAATGTTGTGTC-720
 -V D H K P S N T K V D K T V E R K C C V
 721-GAGTGGCCACCCGGTGCCAGGACCACCCTGTGGCAGGACCGTCAGTCFTCCCTCCCCCA-780
 -E C P P C P A P P V A G P S V F L F P P

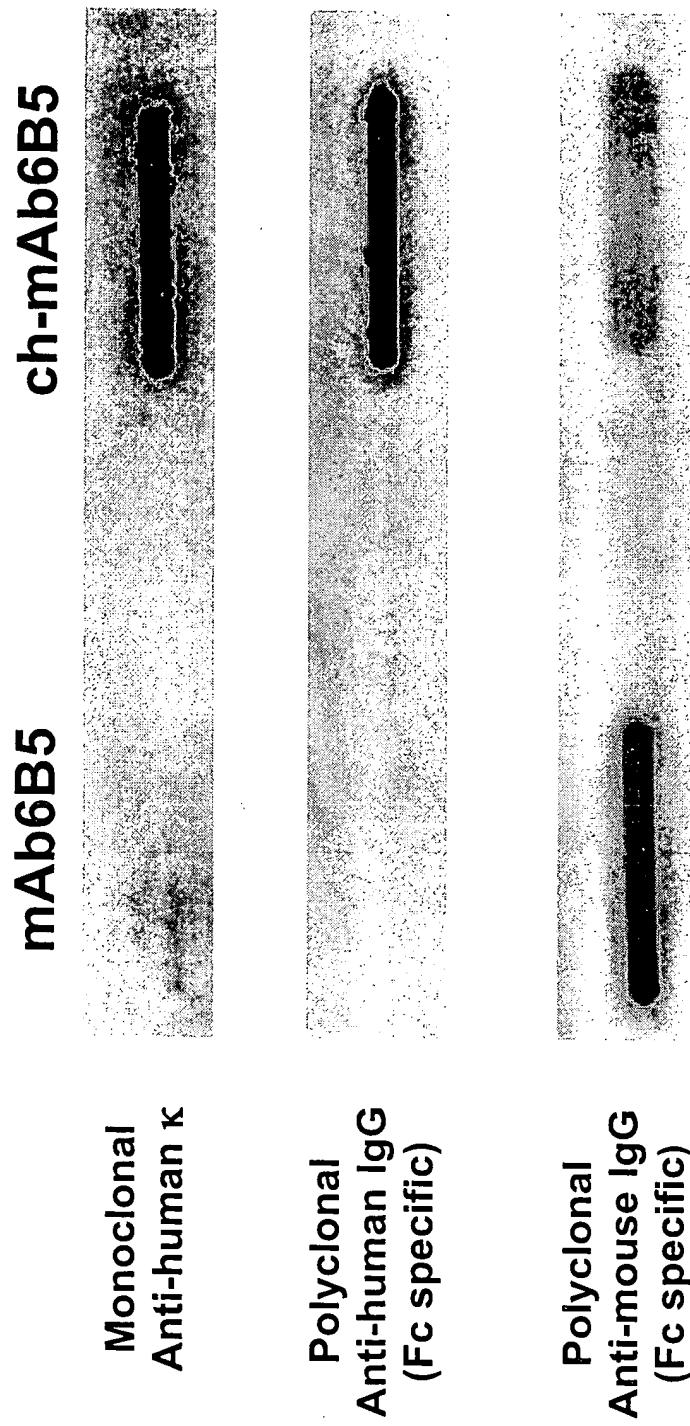
Fig. 11A

781-AAACCCAAGGACACCCTCATGATCTCCGGACCCCTGAGGTACCGTGGTGGAC-840
 -K P K D T L M I S R T P E V T C V V V D
 841-GTGAGCCACGAAGACCCCGAGGTCCAGTTCAACTGGTACGTGGACGGCTGGAGGTGCAT-900
 -V S H E D P E V Q F N W Y V D G V E V H
 901-AATGCCAAGACAAGGCCACGGAGGAGCAGTCAACAGCACGTTCCGGTGGTCAGCGTC-960
 -N A K T K P R E E Q F N S T F R V V S V
 961-CTCACCGTTGTCACCGAGGACTGGCTGAACGGCAAGGAGTACAAGTGCAGGTCTCAAAC-1020
 -L T V V H Q D W L N G K E Y K C K V S N
 1021-AAAGGCCCTCCCAGCCCCATCGAGAAAACCATCTCCAAACCAAAAGGGCAGCCCCGAGAA-1080
 -K G L P A P I E K T I S K T K G Q P R E
 1081-CCACAGGGTGTACACCCCTGCCCTGCCCGGAGGAGATGACCAAGAACCGAGTCAGCCTG-1140
 -P Q V Y T L P P S R E E M T K N Q V S L
 1141-ACCTGCCCTGGTCAAAAGGCTTCTATCCCCAGGGACATGCCGGAGTGGAGAGGCAATGGG-1200
 -T C L V K G F Y P S D I A V E W E S N G
 1201-CAGCCGGAGAACAACTACACAGACCACACCTCCCATGCTGGACTCCGACGGCTCTTCATGC-1260
 -Q P E N N Y K T T P P M L D S D G S F F
 1261-CTCTACAGCAAGCTCACCGTGGACAAAGGCCAGGGTGGCAGCAGGGAAACGTTCTTCATGC-1320
 -L Y S K L T V D K S R W Q Q G N V F S C
 1321-TCCGTGATGGCATGAGGCTCTGGCACAAACCAACTACACGGCAGAAGGCCCTCTTCATGC-1380
 -S V M H E A L H N H Y T Q K S L S P
 1381-GGTAAATGA (SEQ ID NO: 17)
 -G K * (SEQ ID NO: 18)

Murine 6B5 variable region leader sequence
 Human IgG2 constant regions NheI restriction site TGA stop codon

Fig. 11B

Fig. 12



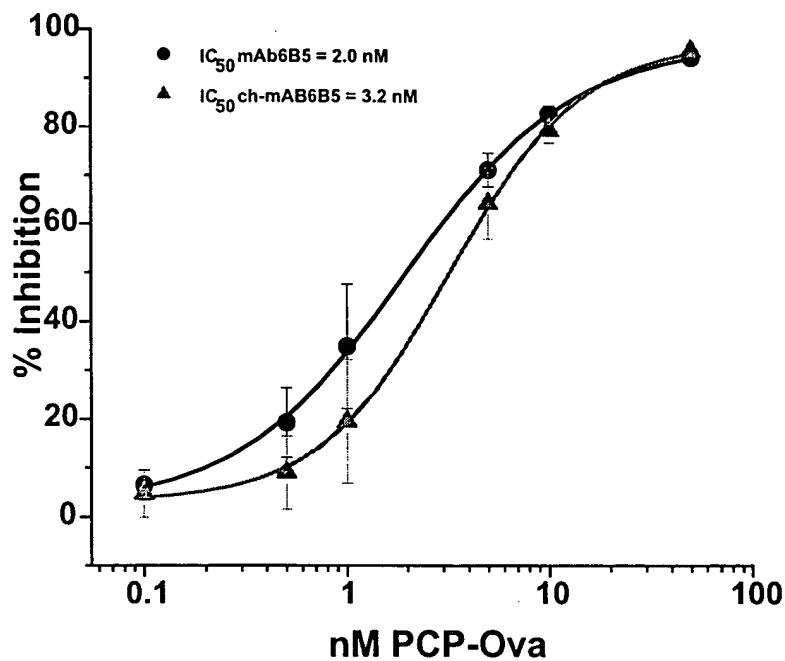


Fig. 13

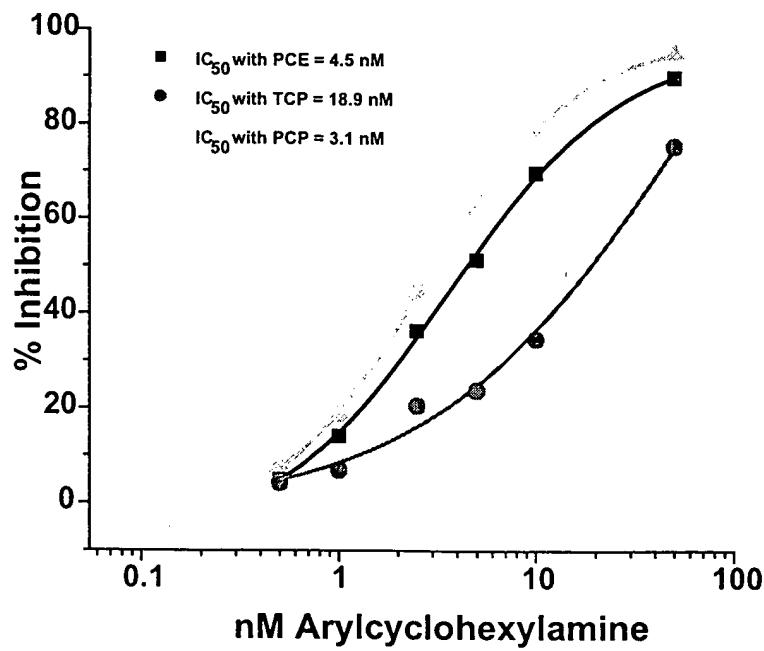


Fig. 14